

MAINTENANCE PROGRAM:

TEMPORARY MEASURES

- A. SILT FENCE. SEDIMENTS SHALL BE REMOVED FROM BEHIND THE FENCE WHEN IT BECOMES 0.5 FEET DEEP AT THE IT SHOULD ALSO BE INSPECTED WEEKLY AND PRIOR TO AND WITHIN 24 HOURS AFTER ALL FORECASTED STORM REPAIR SHALL BE PERFORMED AS NEEDED.
- B. SHALES. PROPOSED SHALES ARE USED AS DIVERSION SHALES DURING THE CONSTRUCTION PHASE. THESE SHALES ARE TO BE INSPECTED WEEKLY AND PRIOR TO AND WITHIN 24 HOURS AFTER ALL FORECASTED STORM EVENTS FOR SCOUR AND EROSION. REMOVE DEPOSITS OR SEDIMENT OR OTHER OBSTRUCTIONS.
- C. CONSTRUCTION ENTRANCE. CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. VISUAL INSPECTION SHALL BE PERFORMED DAILY THROUGHOUT THE PROJECT CONSTRUCTION TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, MASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- D. SEDIMENT BASIN. VISUAL INSPECTION OF THE BASIN DEBANKMENT AND DEWATERING SPILLWAY SHALL BE PERFORMED WEEKLY. PRIOR TO AND WITHIN 24 HOURS AFTER ALL FORECASTED STORMS. REPAIRS SHALL BE MADE AS NEEDED. SEDIMENT SHOULD BE REMOVED EVERY SIX (6) MONTHS OR WHEN SEDIMENT ACCUMULATION REACHES THE DESIGN CLEANOUT LEVEL. IN ORDER TO PRESERVE THE AVAILABLE STORMWATER MANAGEMENT CAPACITY OF THE SEDIMENT THE LEVEL OF SEDIMENT AT WHICH CLEANOUT IS REQUIRED SHALL BE MARKED ON A FIXED REFERENCE POINT (SEDIMENT REMOVAL MARKER OR MARK ON A RISER TYPE OUTLET).
- E. CURB INLET PROTECTION. INLET PROTECTION SHALL BE INSPECTED WEEKLY AND PRIOR TO AND WITHIN 24 HOURS AFTER ALL FORECASTED STORM EVENTS. SEDIMENTS AND DEBRIS SHALL BE REMOVED FROM BEHIND THE FENCE IF PRESENT. REPAIR SHALL BE PERFORMED AS NEEDED.

ON SITE POLLUTION CONTROL MEASURES

1. THERE SHALL BE A RECEPTACLE PLACED ON THE SITE TO TEMPORARILY STORE GARBAGE, DEBRIS OR CONSTRUCTION WASTE MATERIAL. THE CONTAINER SHALL NOT BE USED TO TRANSFER ANY GARBAGE FROM ANY OTHER OFF-SITE ACTIVITY.
2. THE RECORD OWNER SHALL BE RESPONSIBLE FOR KEEPING THE SITE FREE OF LITTER AT ALL TIMES. DURING CONSTRUCTION ACTIVITIES THE OWNER MAY DESIGNATE A CONTRACTOR IN CHARGE AS A RESPONSIBLE PARTY.
3. THE SITE SHALL BE INSPECTED AT THE END OF EACH WORKDAY AND TRASH, DEBRIS AND GARBAGE SHALL BE PICKED UP AND PLACED IN ON-SITE DUMPSTERS OR OTHERWISE REMOVED FROM THE SITE.
4. A PORTABLE TOILET FACILITY SHALL BE PROVIDED FOR CONSTRUCTION WORKERS AND AN ADDITIONAL FACILITY FOR EVERY 10 ON-SITE WORKERS.
5. CONSTRUCTION VEHICLES SHALL BE SERVICED OFF-SITE AT A PROPER FACILITY. LEAKING OR ILL-REPAIRED VEHICLES SHALL NOT BE LOCATED ON SITE. NO OIL CHANGES ARE PERMITTED ON SITE. FUELING OF VEHICLES ON SITE SHALL BE CAREFULLY PERFORMED WITH AN APPROVED DISPENSER NOZZLE HOSE AND PUMP. SPILLS SHALL PROMPTLY BE REPORTED TO THE NYSDOT AND TOWN. SOILED PADS AND ROLLS SHALL BE USED TO TEMPORARILY CONTAIN ANY SPILLS.
6. CHEMICAL SOIL ADDITIVES OR HERBICIDES SHALL NOT BE USED ON SITE DURING CONSTRUCTION.
7. THE CONTAINERS SHALL BE OF SUFFICIENT SIZE FOR THE CONSTRUCTION ACTIVITY. CONTAINERS SHALL BE EMPTIED BY AN APPROVED CARTER TO A PROPER FACILITY WHEN FULL. CONTAINERS SHALL BE COVERED TO PREVENT INFILTRATION OF RAIN AND WEATHER AND TO PREVENT WIND BLOWN DEBRIS REMOVAL.
8. PAINTS, CHEMICALS OR OTHER TOXIC SUBSTANCES SHALL NOT BE PLACED IN TRASH CONTAINERS. PAINTS, CHEMICALS OR TOXIC SUBSTANCES SHALL BE REMOVED FROM SITE BY AN APPROVED LICENSED CARTER.
9. THERE SHALL BE NO OPEN FIRES OR BARREL FIRES PERMITTED.
10. DEBRIS OR TRASH FILES ARE NOT PERMITTED. DEBRIS SHALL BE PLACED IN CONTAINERS. TEMPORARY FILES OF BRUSH OR STUMPS SHALL BE PROTECTED BY SILT FENCE SIMILAR TO TOPSOIL STOCKPILES.

STABILIZATION NOTES:

- I. TEMPORARY VEGETATIVE COVER:
- A. SCARIFY COMPACTED SOIL AREAS.
- B. LINE AS REQUIRED TO PH 6.5.
- C. FERTILIZE WITH 10-0-10 AT RATE 200 LBS/AC.
- D. INCORPORATE AMENDMENTS INTO SOIL WITH DISC HARROW.
- E. SEED AS FOLLOWS:
- \* SPRING/SUMMER/EARLY FALL PLANTING: ANNUAL RYEGRASS AND CEREAL OATS AT 50 LBS/ACRE
- \* LATE FALL/EARLY WINTER PLANTING: ARROSTOOK WINTER RYE AT 100 LBS/AC.
- MULCH SEEDS WITH 2 TONS OF STRAW PER ACRE. ANCHOR AS NEEDED.

DURING WINTER CONSTRUCTION OR PERIODS OF WET WEATHER, TEMPORARY SLOPE STABILIZATION SHALL BE PROVIDED BY EITHER A ROLLED EROSION CONTROL PRODUCT OR A HEAVY MULCH LAYER SUITABLY ANCHORED. THE CONTRACTOR MUST RESEED THE AREA IN THE SPRING WITH THE APPROPRIATE SEEDING.

DURING DRY WEATHER CONSTRUCTION, ALL SEEDING AREAS ARE TO BE ADEQUATELY WATERED TO ENSURE VEGETATED COVER.

2. PERMANENT VEGETATIVE COVER:

- A. GRADE TO FINISHED SLOPES.
- B. SCARIFY COMPACTED SOIL AREAS.
- C. TOPSOIL WITH NOT LESS THAN FOUR (4) INCHES OF SUITABLE TOPSOIL MATERIAL.
- D. LINE AS REQUIRED TO PH 6.5.
- E. FERTILIZE WITH 10-6-4 AT RATE 200 LBS/AC.
- D. SEED AS FOLLOWS:

TYPE I	FOR USE ON MOVED AREAS (INCLUDING SHALES):	SEED	LBS/AC
		KENTUCKY BLUE GRASS	20
		CREeping RED FESCUE	20
		RED TOP OR RYE GRASS	5

TYPE II	FOR USE ON BASIN SIDE SLOPES AND ON NON-MOVED AREAS: USE "ERIMX-179" SEED MIX (ERINST CONSERVATION SEEDS, LLP) OR EQUIVALENT. SEEDS INCLUDED IN THE MIX ARE LISTED BELOW. APPLICATION RATE IS LBS/ACRE.	SEED	LBS/ACRE
		GOLDENROD	10
		BIG BLUESTEM	10
		BLUE INDIGO	10
		SILKY DOGWOOD	10
		OX EYE SUNFLOWER	10
		BLACK EYED SUSAN	10
		FOX SEDGE	10
		PARTICULAR PEA	10
		BLUE VIOLET	10
		DEERTONGUE	10

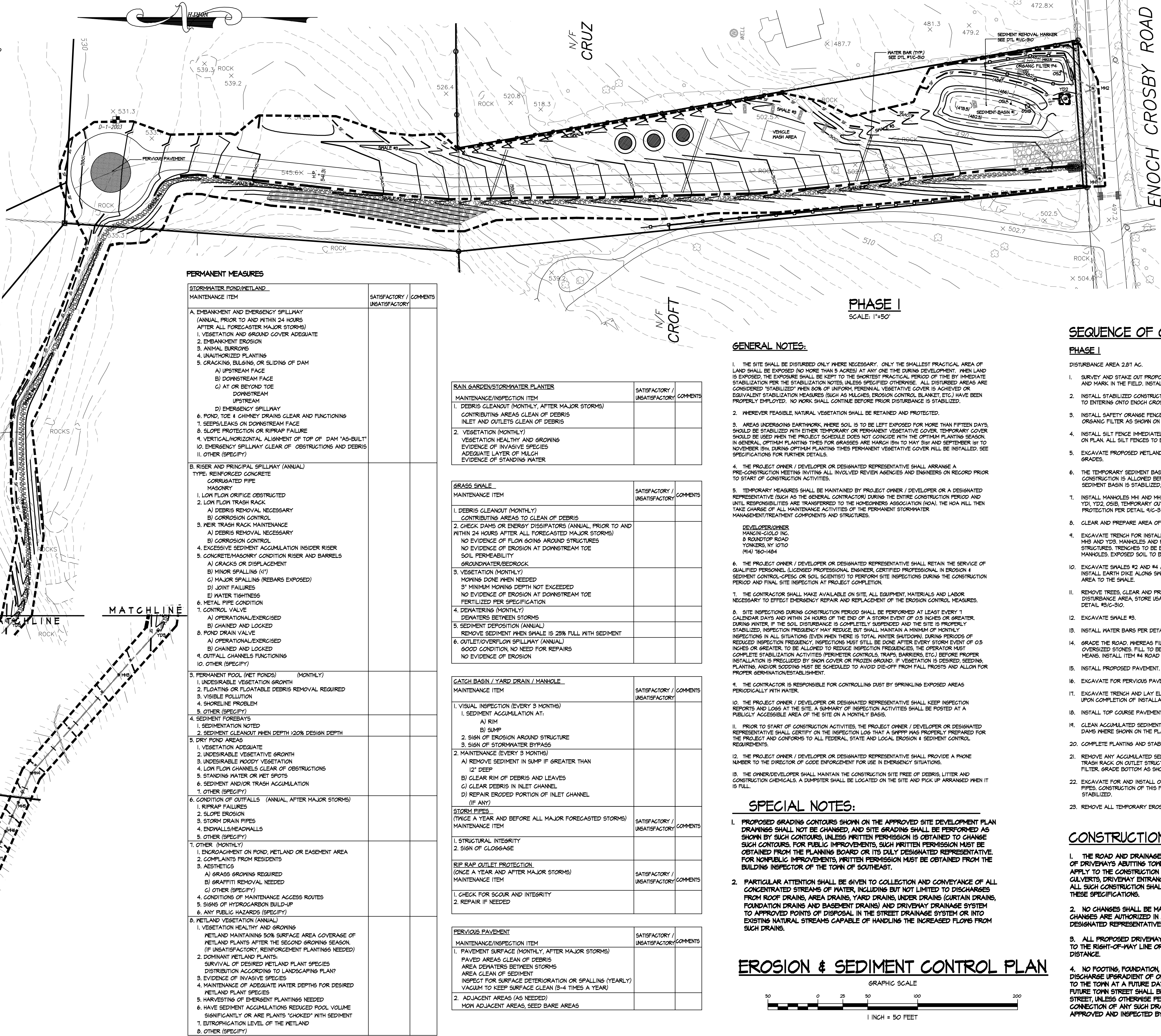
WILDFLOWER AREAS TO BE MOVED ONCE PER YEAR IN LATE FALL.

MULCH SEEDS WITH 2 TONS OF STRAW PER ACRE. ANCHOR AS NEEDED.

AFTER ESTABLISHMENT OF DENSE, VIGOROUS VEGETATION, PHOSPHORUS BASED FERTILIZERS SHALL NOT BE USED. ONLY NON-PHOSPHORUS BASED FERTILIZER MAY BE APPLIED.

SEDIMENT BASIN #1 VOLUME

CONTRIBUTING AREA- 1.28 AC  
REQUIRED VOLUME- 3600 CF PER ACRE X 1.28 ACRES = 4608 CF = 171 CY.  
VOLUME PROVIDED- 1241 CF @ 416 CY.  
SEDIMENT REMOVAL ELEVATION- 484.10



EROSION CONTROL LEGEND:

- EXISTING CATCH BASIN
- EXISTING DRAINAGE PIPE
- EXISTING CONTOURS
- PROPOSED CONTOURS
- SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE
- TEMPORARY STAGING AREA
- INLET PROTECTION
- LIMITS OF DISTURBANCE
- TEMPORARY SOIL STOCKPILE
- EARTH DIKE
- EROSION CONTROL BLANKET
- CONSTRUCTION FENCE
- CHECK DAM

SEQUENCE OF CONSTRUCTION:

PHASE I

- DISTURBANCE AREA 2.87 AC.
1. SURVEY AND STAKE OUT PROPOSED ROAD AND STORMWATER BMP LOCATIONS. ESTABLISH LIMITS OF DISTURBANCE AND MARK IN THE FIELD. INSTALL CONSTRUCTION FENCE ALONG PERIMETERS OF THE PROPOSED DISTURBANCE.
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE. VEHICLES SHALL BE INSPECTED AND CLEANED, IF REQUIRED, PRIOR TO ENTERING ONTO ENOCH CROSBY ROAD.
3. INSTALL SAFETY ORANGE FENCE ALONG PROPERTY LINE WITH N/C CROFT, N/C CRUZ AND AROUND FUTURE LOCATION OF ORANGE FILTER AS SHOWN ON THE PLAN.
4. INSTALL SILT FENCE IMMEDIATELY DOWNWIND OF AREAS OF PROPOSED DISTURBANCES AND WHERE INDICATED ON PLAN. ALL SILT FENCES TO BE INSTALLED PARALLEL TO CONTOURS.
5. EXCAVATE PROPOSED WETLAND C&B TO ACT AS TEMPORARY SEDIMENT BASIN #1. EXCAVATE BASIN TO FINAL GRADES.
6. THE TEMPORARY SEDIMENT BASIN MUST BE STABILIZED WITHIN ONE (1) WEEK FOLLOWING THE EARTHWORK. NO FURTHER CONSTRUCTION IS ALLOWED BEFORE THE BASIN AND ALL DISTURBED AREAS ARE STABILIZED. ONCE THE TEMPORARY SEDIMENT BASIN IS STABILIZED, PROCEED WITH WORK.
7. INSTALL MANHOLES M#1 AND M#2 ON THE EXISTING STORM WATER PIPE AT THE STREET R.O.M. INSTALL TYP. 12" 20' 0" TEMPORARY OUTLET STRUCTURE FROM THE SEDIMENT BASIN AND CONNECTING PIPES. PROVIDE INLET PROTECTION PER DETAIL 400-310.
8. CLEAR AND PREPARE AREA OF DIVERSION SHALES #2 AND 4 AND PIPING SYSTEM FROM YDS TO ESB.
9. EXCAVATE TRENCH FOR INSTALLATION OF THE ABOVE MENTIONED STORM SEWER PIPES. INSTALL MANHOLES M#1 TO M#4 AND YDS MANHOLES AND PIPES TO BE INSTALLED STARTING FROM DOWNHILL STRUCTURES TO UPHILL STRUCTURES. TRENCHES TO BE BACKFILLED IMMEDIATELY UPON COMPLETION OF INSTALLATION OF PIPES AND MANHOLES. EXPOSED SOIL TO BE STABILIZED IMMEDIATELY AFTER BACKFILL.
10. EXCAVATE SHALES #2 AND #4 AS SHOWN ON THE PLAN TO DIVERT CLEAN WATER AWAY FROM DISTURBED AREAS. INSTALL EARTH DIKE ALONG SHALE #2 AS SHOWN ON THE PLAN TO PREVENT SEDIMENT ENTERING FROM THE WORK AREA TO THE SHALE.
11. REMOVE TREES, CLEAR AND PREPARE AREA FOR THE ROAD INSTALLATION. STRIP TOPSOIL FROM THE PROPOSED DISTURBANCE AREA. STORE USABLE ORGANIC MATERIAL AT STOCKPILES. PROVIDE STOCKPILE PROTECTION PER DETAIL 400-310.
12. EXCAVATE SHALE #3.
13. INSTALL WATER BARS PER DETAIL #100-310.
14. GRADE THE ROAD. WHEREAS FILL MATERIAL IS NEEDED, IT SHALL BE FREE FROM ROOTS, VEGETATION AND OVERSIZED STONES. FILL TO BE PLACED IN 8 INCH LIFTS AND COMPACTED TO 98% DRY DENSITY BY MECHANICAL MEANS. INSTALL TYP. #4 ROAD BASE.
15. INSTALL PROPOSED PAVEMENT. BRING PAVEMENT TO BINDER COURSE ELEVATION.
16. EXCAVATE FOR PREVIOUS PAVEMENT INSTALLATION. BRING GRAVEL AND INSTALL PAVERS PER DETAIL #80-310.
17. EXCAVATE TRENCH AND LAY ELECTRIC CABLE AND TELEPHONE CABLES. TRENCHES TO BE BACKFILLED IMMEDIATELY UPON COMPLETION OF INSTALLATION OF CABLES. EXPOSED SOIL TO BE STABILIZED IMMEDIATELY AFTER BACKFILL.
18. INSTALL TOP COURSE PAVEMENT TO THE ROAD.
19. CLEAN ACCUMULATED SEDIMENT IN THE SHALES. RESTORE AND UPGRADE TO PERMANENT SHALES. INSTALL CHECK DAMS WHERE SHOWN ON THE PLAN.
20. COMPLETE PLANTING AND STABILIZE PERMANENTLY ALL DISTURBED AREAS.
21. REMOVE ANY ACCUMULATED SEDIMENT FROM THE SEDIMENT BASIN #1. REMOVE TEMPORARY RISER PIPE. INSTALL TRASH RACK ON OUTLET STRUCTURE. INSTALL OUTLET STRUCTURE WITH OUTLET PIPE TO ORGANIC FILTER. GRADE BOTTOM AS SHOWN ON THE PLAN. PLANT WETLAND VEGETATION AS SHOWN ON DRAWINGS C-150.
22. EXCAVATE FOR AND INSTALL ORGANIC FILTER AS SHOWN ON PLAN AND DETAILS. INSTALL OUTLET STRUCTURE AND PIPES. CONSTRUCTION OF THIS FACILITY IS NOT ALLOWED UNTIL ALL CONTRIBUTING DRAINAGE AREAS HAVE BEEN STABILIZED.
23. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES TO INCLUDE SILT FENCE.

CONSTRUCTION DRAWING NOTES:

1. THE ROAD AND DRAINAGE SPECIFICATIONS AND SPECIFICATIONS CONCERNING CONSTRUCTION OF DRIVEWAYS ABUTTING TOWN HIGHWAYS, ADOPTED BY THE TOWN OF SOUTHEAST, NEW YORK, APPLY TO THE CONSTRUCTION OF ALL STREETS (ROADS), STORM DRAINAGE FACILITIES, BRIDGES, GULLIES, DRIVEWAY ENTRANCES, SIDEWALKS, AND MISCELLANEOUS APPURTENANCES THEREOF, AND ALL SUCH CONSTRUCTION SHALL BE COMPLETED IN CONFORMANCE WITH THE REQUIREMENTS OF THESE SPECIFICATIONS.
2. NO CHANGES SHALL BE MADE IN ANY OF THE PROPOSED IMPROVEMENTS UNLESS SUCH CHANGES ARE AUTHORIZED IN WRITING BY THE SOUTHEAST PLANNING BOARD OR ITS DULY DESIGNATED REPRESENTATIVES.
3. ALL PROPOSED DRIVEWAYS MUST BE PAVED FROM THE EDGE OF THE STREET PAVEMENT BACK TO THE RIGHT-OF-WAY LINE OR TO THE HIGH POINT OF THE DRIVEWAY, WHICHEVER IS THE GREATER DISTANCE.
4. NO FOOTING, FOUNDATION, BASEMENT, YARD, AREA OR CURTAIN DRAINS OF ANY KIND SHALL DISCHARGE UPGRADIENT OF OR INTO A TOWN STREET OR A STREET PROPOSED TO BE DEDICATED TO THE TOWN AT A FUTURE DATE. ANY SUCH DRAINS LOCATED UPGRADIENT OF AN EXISTING OR FUTURE TOWN STREET SHALL BE CONNECTED INTO THE TOWN STREET DRAINAGE SYSTEM IN THE STREET, UNLESS OTHERWISE PERMITTED BY THE SUPERINTENDENT OF HIGHWAYS. THE LOCATION AND CONNECTION OF ANY SUCH DRAIN INTO THE TOWN DRAINAGE SYSTEM IN THE STREET SHALL BE APPROVED AND INSPECTED BY THE SUPERINTENDENT OF HIGHWAYS.

**PUTNAM ENGINEERING, PLLC**  
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PURSUANT TO NEW YORK STATE EDUCATION LAW, ARTICLE 145, SECTION 7209 SUBDIVISION 2, "IT IS A VIOLATION OF THIS LAW FOR ANY PERSON UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE SEAL OF AN ENGINEER IS ALTERED. THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION."	
REVISIONS	
NO.	DATE
1	11/15/2011
2	12/15/2011
3	01/25/2012
4	01/30/2013
5	05/02/2013
6	05/21/2013
7	10/24/2013
8	02/20/2014

PROJECT

SUBDIVISION PLANS PREPARED FOR:

**BAKER FARM SUBDIVISION**

66 ENOCH CROSBY ROAD  
TOWN OF SOUTHEAST  
PUTNAM COUNTY, NEW YORK  
TAX MAP 55, BLOCK 1, LOTS 5 & 9

DATE	DRAWING	PROJECT NUMBER
20 JULY 2011	DESIGN DRAWING EROSION & SEDIMENT CONTROL PLAN	8140
PROJECT MANAGER		DRAWING NUMBER
RJZ		C-130
DESIGNED BY		
BJK		
CHECKED BY		
FML		
SCALE		
AS NOTED		SHEET 3 OF 19